



Indiana Department of Environmental Management  
Office of Water Quality  
Wetlands Section

Publication Date:  
January 24, 2011

Closing Date:  
February 14, 2011

IDEM ID Number:  
2011-022-49-JWR-A

Corps of Engineers ID Number:  
LRL-2010-1097-sam

## PUBLIC NOTICE

### To all interested parties:

This letter shall serve as a formal notice of the receipt of an application for **Section 401 Water Quality Certification** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

- |                      |  |                  |  |
|----------------------|--|------------------|--|
| <b>1. Applicant:</b> | Mr. Robert Harris<br>City of Indianapolis<br>1200 South Madison Avenue<br>Indianapolis, IN 46225 | <b>2. Agent:</b> | Mr Michael Oliphant<br>United Consulting<br>1625 North Post Road<br>Indianapolis, IN 46219 |
|----------------------|--|------------------|--|
- 3. Project location:** Sections 3, 4, 9&10, Township 14 North, Range 4 East, Marion County, Beech Grove USGS Quad. The project is located on Emerson Avenue from Southport Road to north to Shelbyville Road.
- 4. Affected waterbody:** Little Buck Creek and Tributary, Wetnight Ditch and adjacent wetlands
- 5. Project Description:** The applicant proposes to reconstruct a 1.73 mile section Emerson Avenue to accommodate a 5-lane section with two through lanes in each direction and a continuous median/left turn lane. As a result of the project, the applicant will widen the existing bridge over Little Buck Creek. The bridge widening project will require the widening of the two instream piers, the removal and replacement of the end bents, and the discharge of riprap for scour protection along 90 linear feet of stream banks. A cofferdam will be installed for the construction of the concrete footings and will impact 78 linear feet of stream channel. The cofferdam will be removed upon completion of the instream concrete work. An existing 36 inch culvert pipe in an unnamed tributary to Little Buck Creek will be removed and replaced with a 2 foot by 4 foot 4-sided box culvert approximately 104 feet in length. The box culvert will be embedded into the stream channel for a depth of 1 foot and will have riprap discharged for scour protection along a total of 22 linear feet upstream and downstream of the structure. An existing 18 inch concrete pipe in Wetnight Ditch will be removed and replaced with a 2 foot by 3 foot 4-sided box culvert approximately 104 feet in length. The box culvert will be embedded into the stream channel for a depth of 1 foot and will have riprap discharged for scour protection along a total of 29 linear feet upstream and downstream of the structure. The project will also result in the discharge of clean earthen fill material into 0.09 acre of emergent wetland and 0.01 acre of scrub shrub wetland. No compensatory mitigation is proposed. For additional information please visit the following webpage address: <http://www.in.gov/idem/6399.htm>.

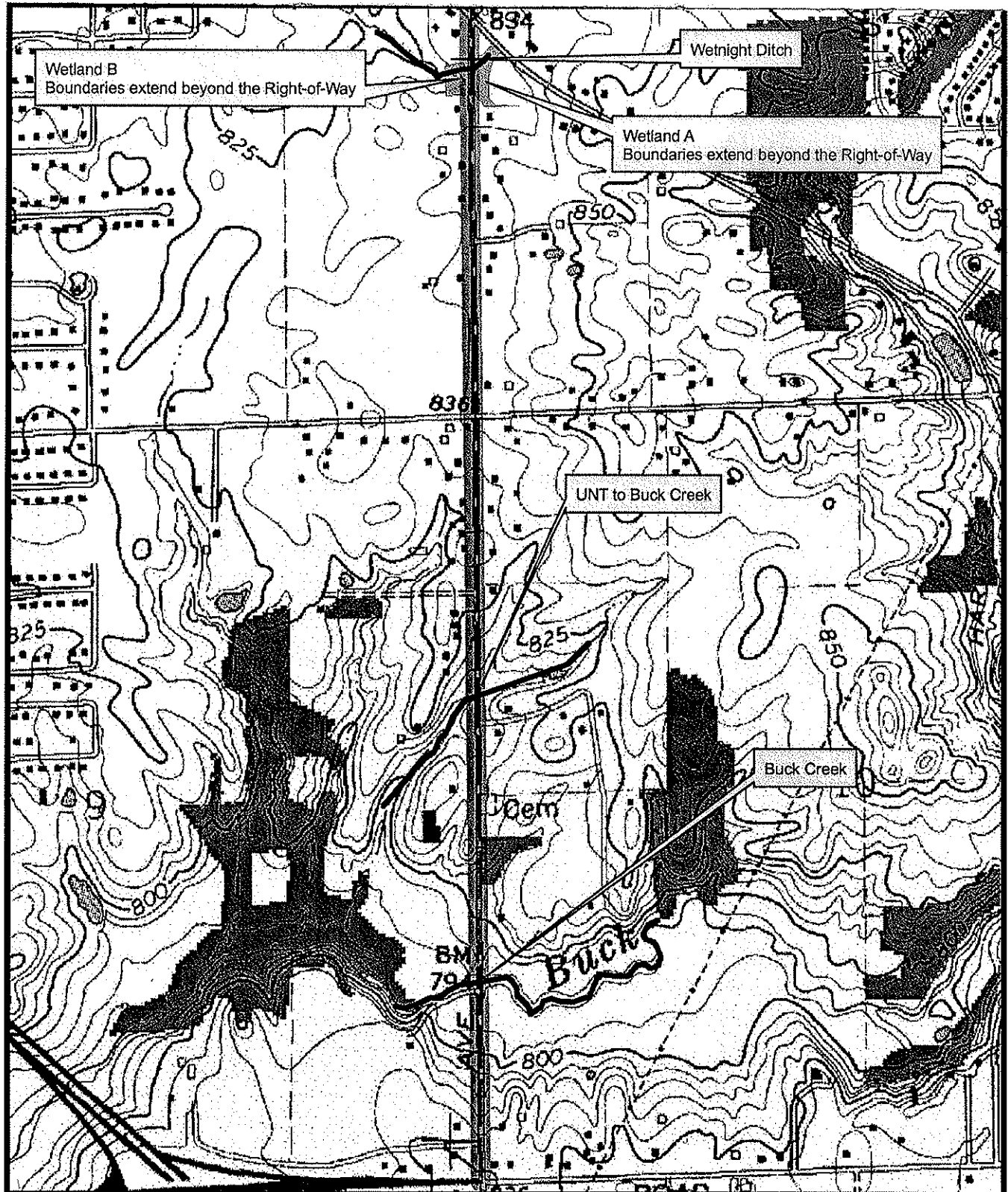
**Comment period:** Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

**Public Hearing:** Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

## Questions?

Additional information may be obtained from Mr. Jason Randolph, Project Manager, at 317-233-0467. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to -

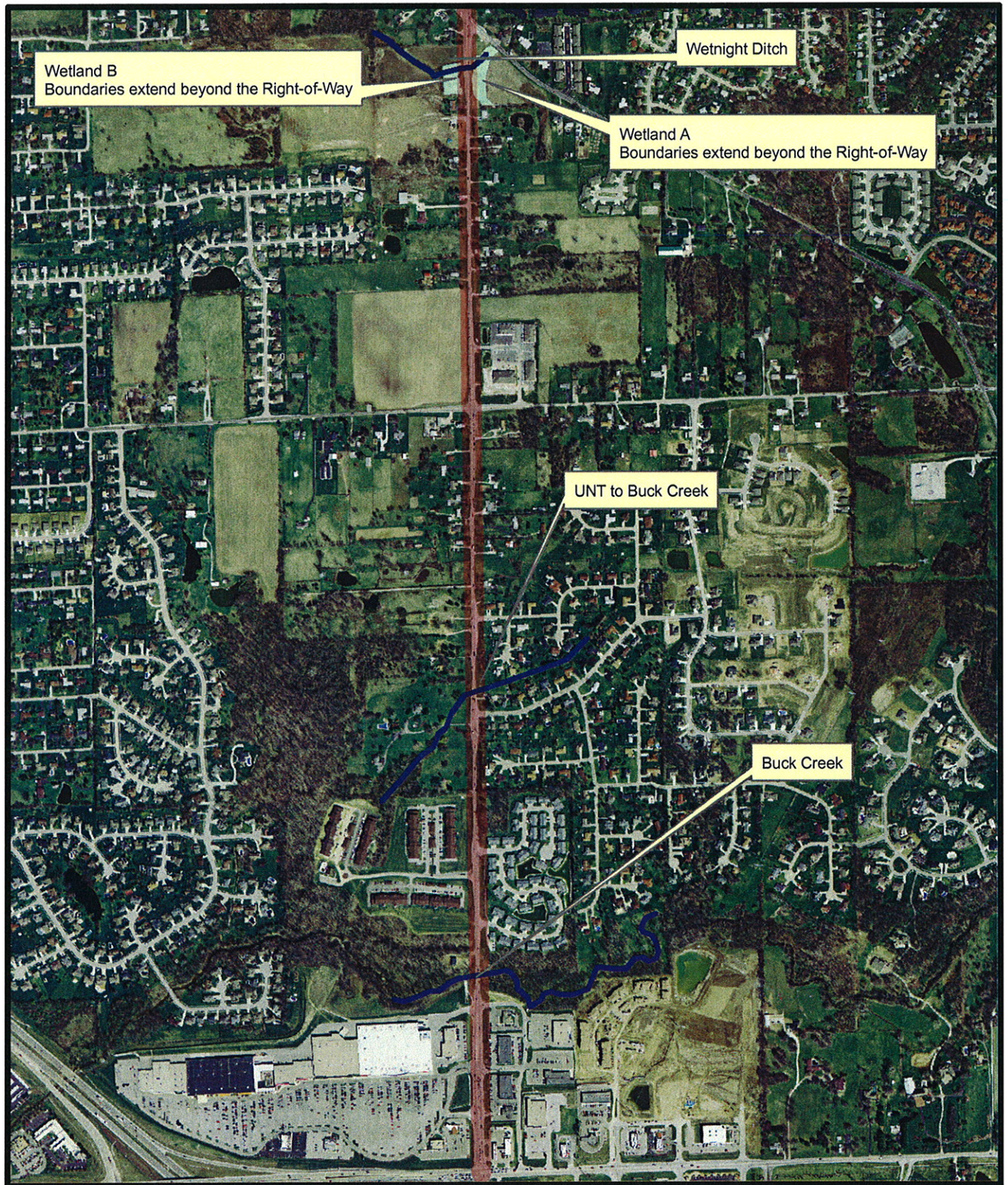
Indiana Department of Environmental Management  
100 North Senate Avenue  
MC65-42 WQS IGCN 1255  
Indianapolis, Indiana 46204-2251  
FAX: 317/232-8406



USGS Quadrangle Map



# Emerson Avenue Added Travel Lanes Project



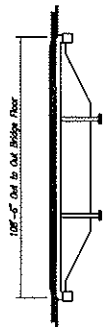
2005 Aerial Photograph

0 625 1,250 2,500 Feet





**UTILITY OWNERS**  
See Road Plans for Utility Owners



**EXISTING STRUCTURE**

The Existing Structure is a Three Span Box Beam Bridge with three spans of 32'-0", 43'-0", and 32'-0". The bridge was constructed in 1972. The Clear Roadway is 32'-0" and is located on the east side of the bridge. The bridge is to be replaced with a new bridge.

**HYDRAULIC DATA**

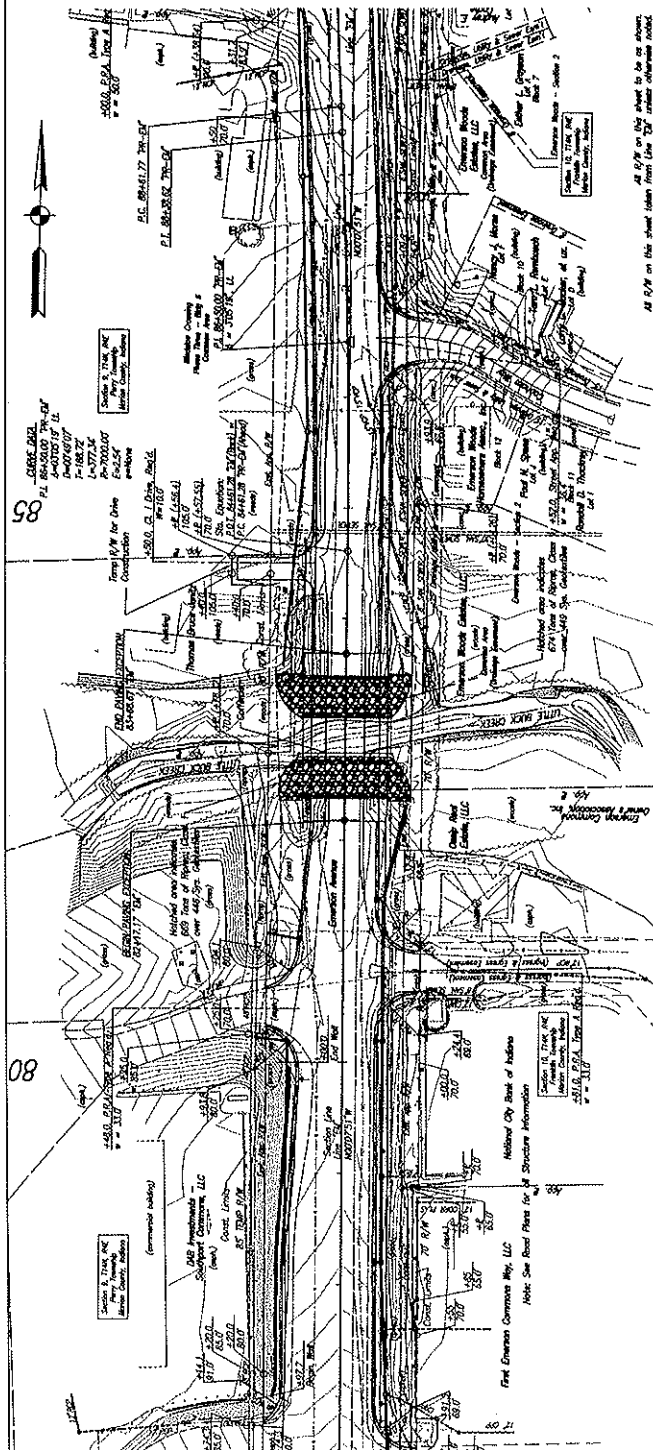
Design Flow = 8.28 cfs  
Design Velocity = 4.50 ft/sec  
Elevation at 0+00 = 785.7  
Elevation at 0+100 = 785.7  
Velocity Through Bridge = 7 ft/sec

**SCORE DATA**

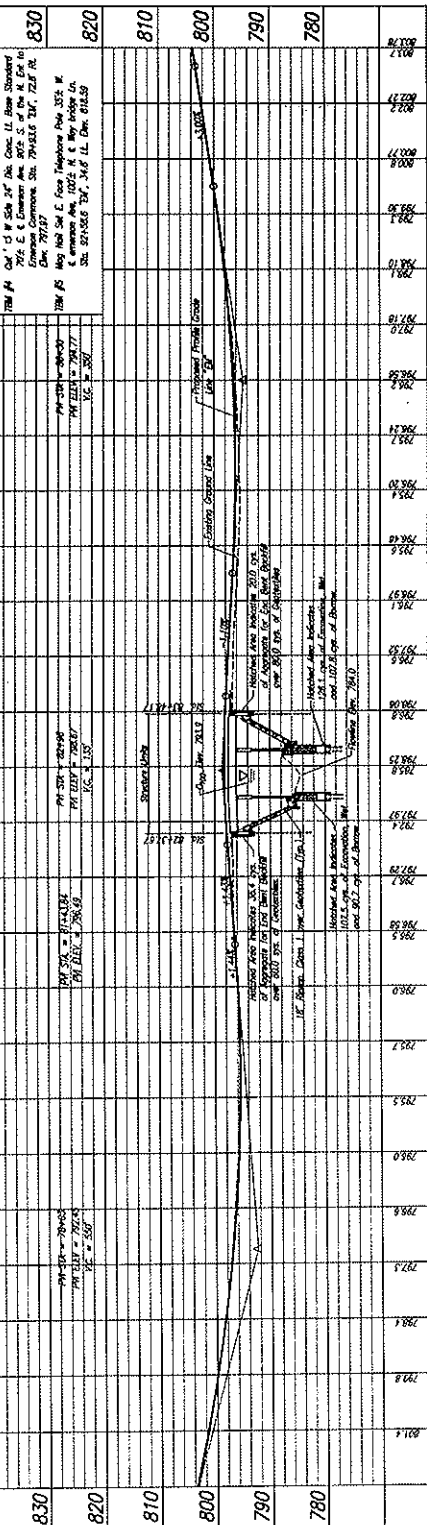
0+100 Score = 538  
0+100 Score Elevation = 778.55

**PRESTRESSED CONCRETE BOX BEAM BRIDGE**  
THREE SPANS: 32'-0", 43'-0", 32'-0"  
CLEAR ROADWAY: 32'-0"  
CLEAR ROADWAY: 62'-0"

**EMERSON AVE OVER LITTLE BUCK CREEK**



All elevations on this sheet shall be in feet above sea level unless otherwise noted.



<b>RECOMMENDED FOR APPROVAL</b> DESIGN ENGINEER: DATE: DESIGNED: C.J.D. CHECKED: J.D.R.		<b>INDIANA</b> DEPARTMENT OF TRANSPORTATION LAYOUT EMERSON AVE OVER LITTLE BUCK CR	
PROJECT NO. 11-000000-00 SHEET NO. 1 OF 1 SCALE: 1"=40' DATE: 07/01/14 SHEETS: 1 OF 1 CONTRACT: E-3375 PROJECT: 11-000000-00		PROJECT NO. 11-000000-00 SHEET NO. 1 OF 1 SCALE: 1"=40' DATE: 07/01/14 SHEETS: 1 OF 1 CONTRACT: E-3375 PROJECT: 11-000000-00	





